

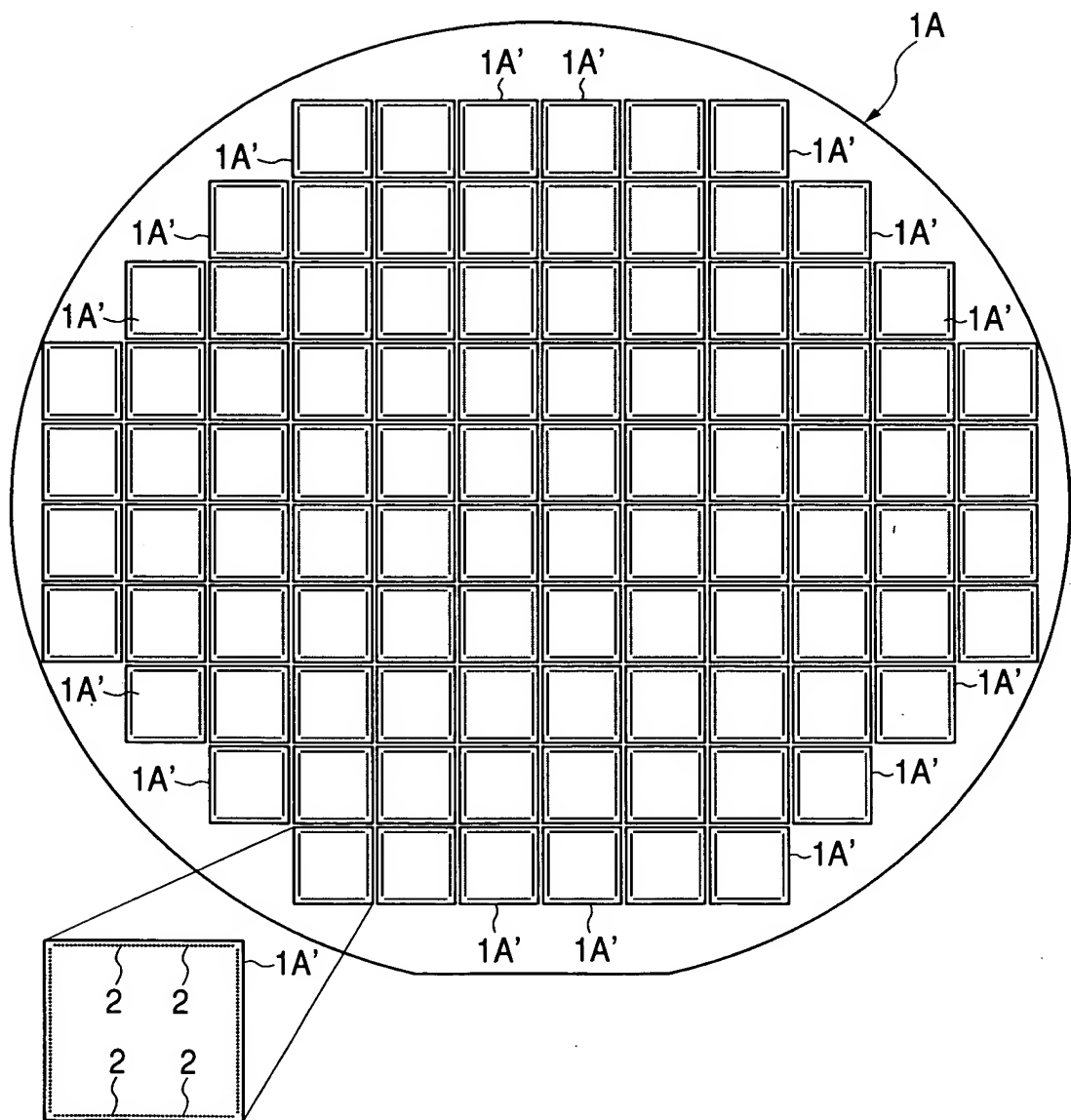
FIG. 1

FIG. 2

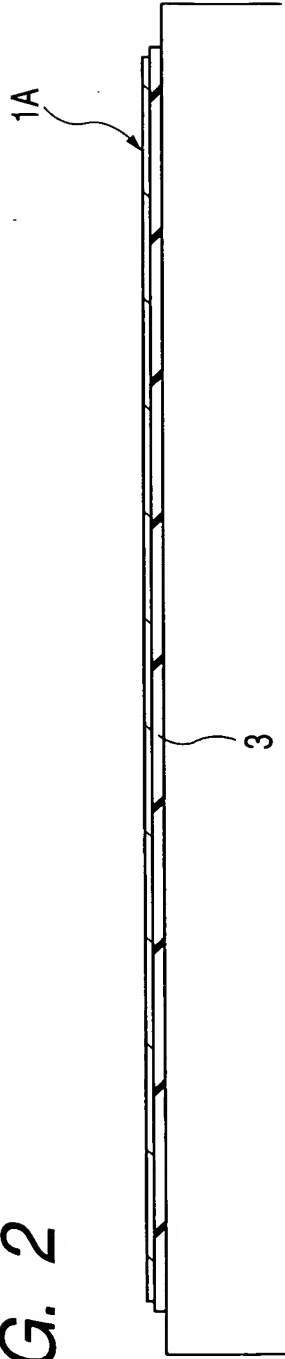


FIG. 3

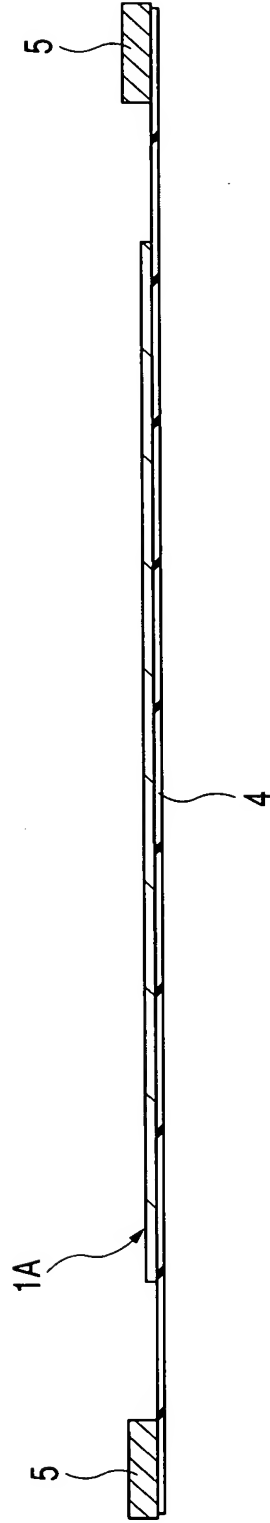


FIG. 4

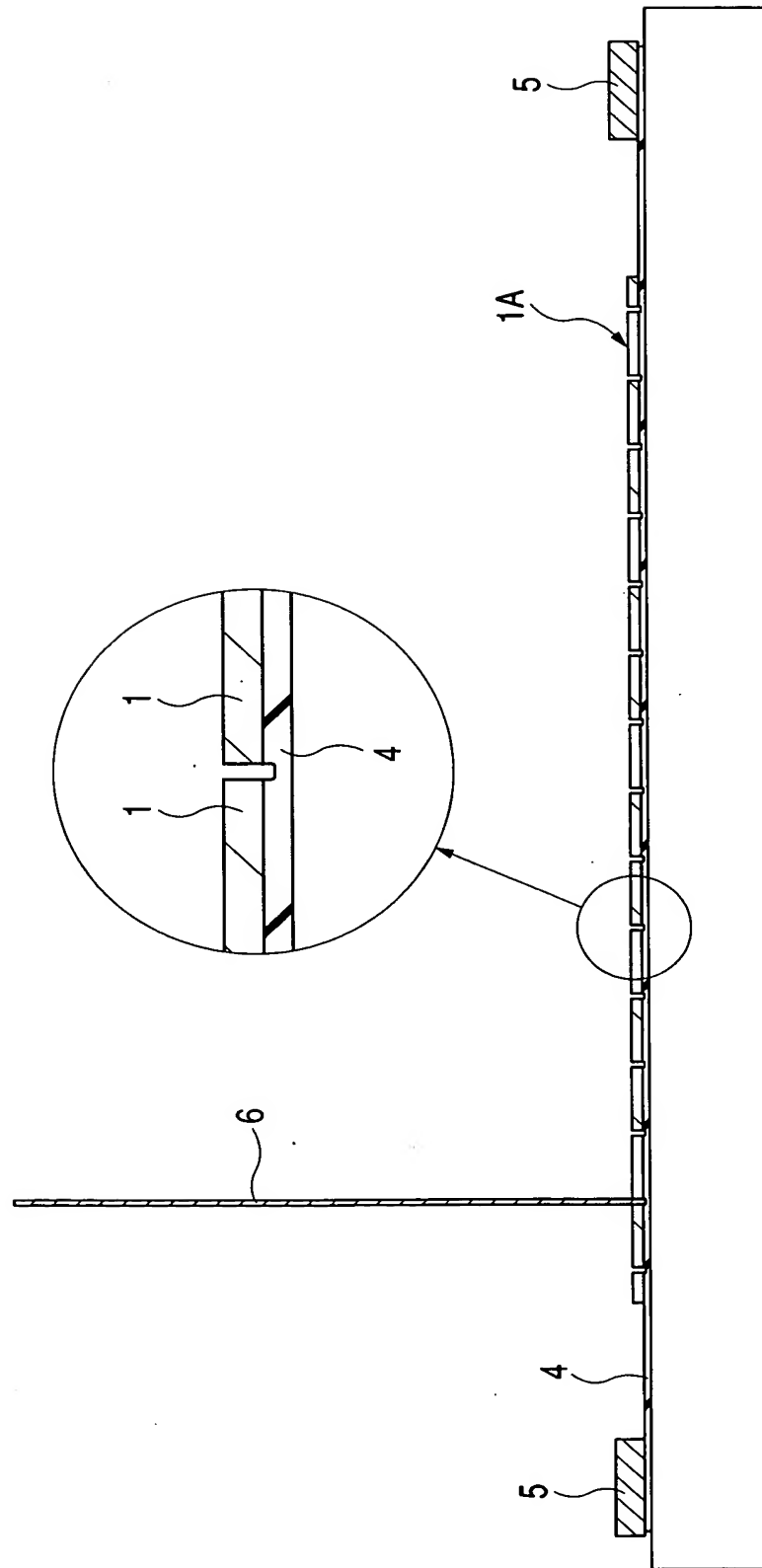


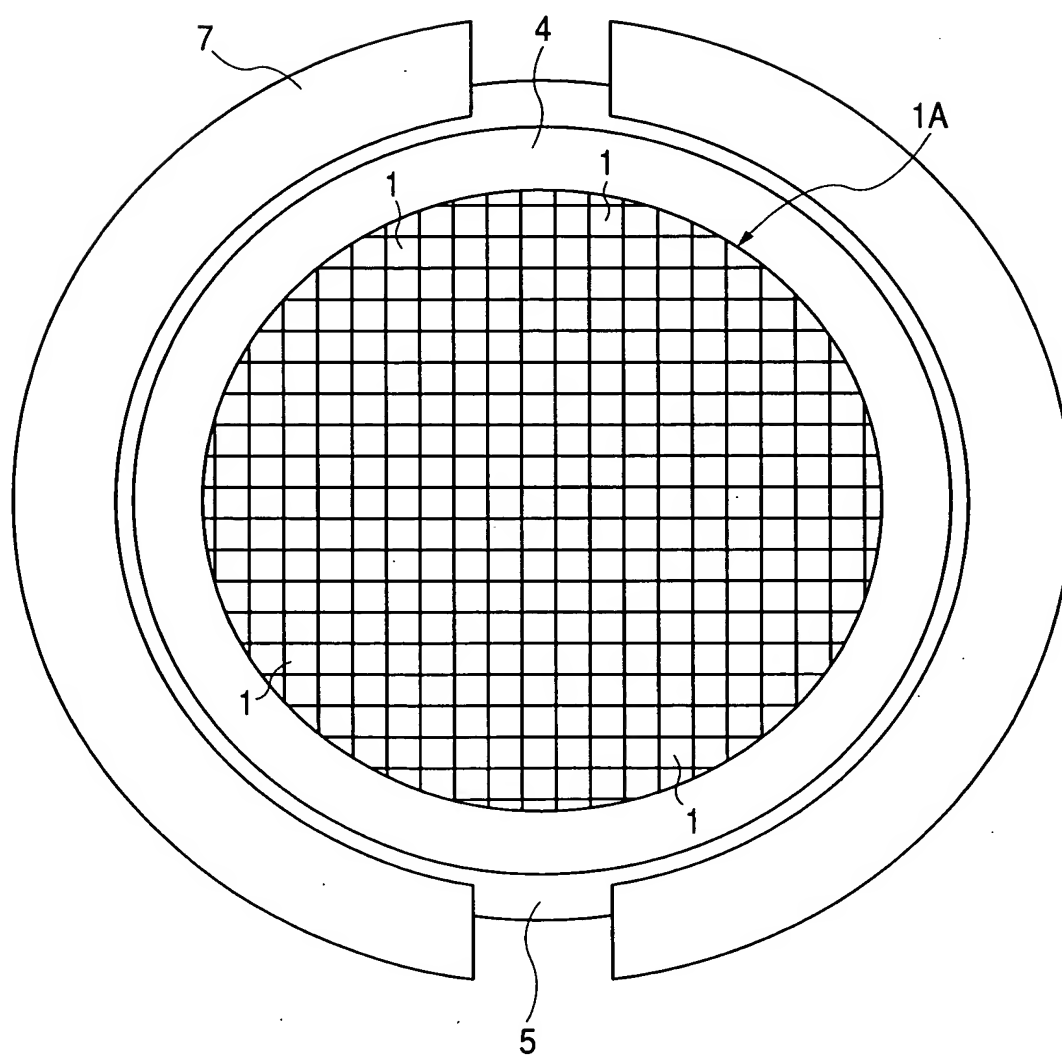
FIG. 5

FIG. 6

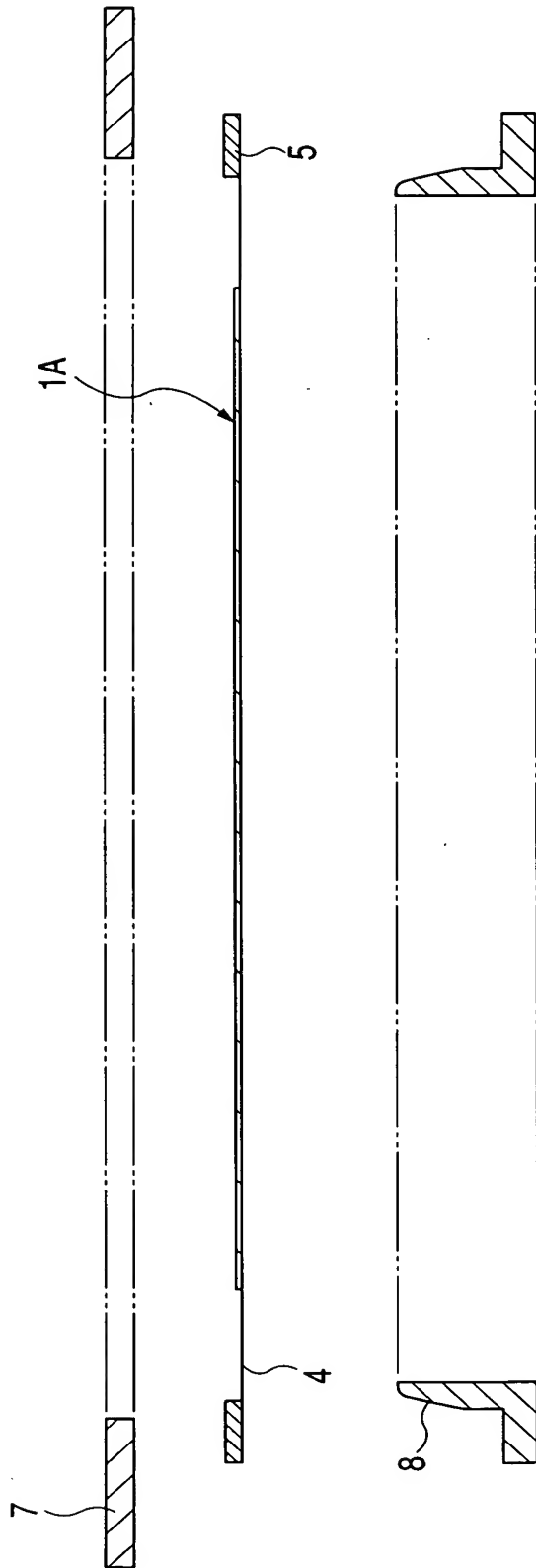


FIG. 7

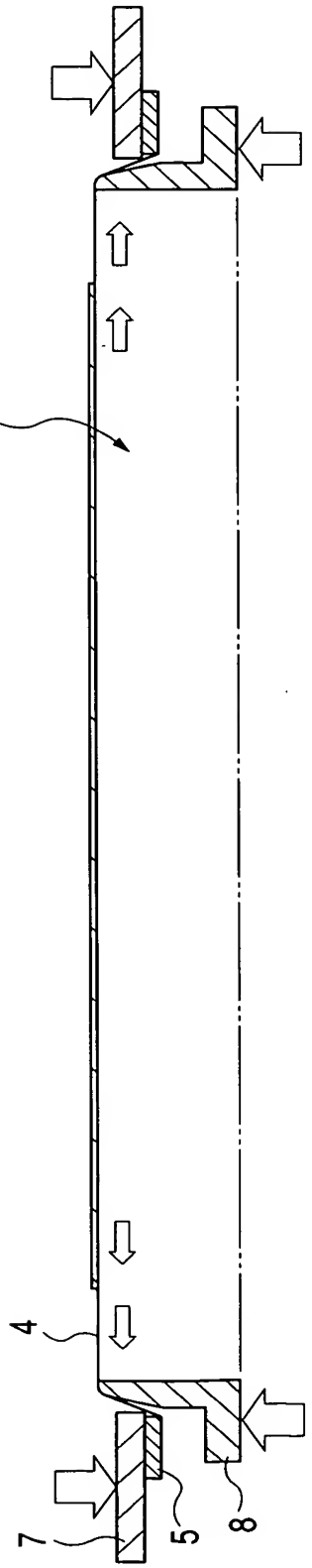


FIG. 8

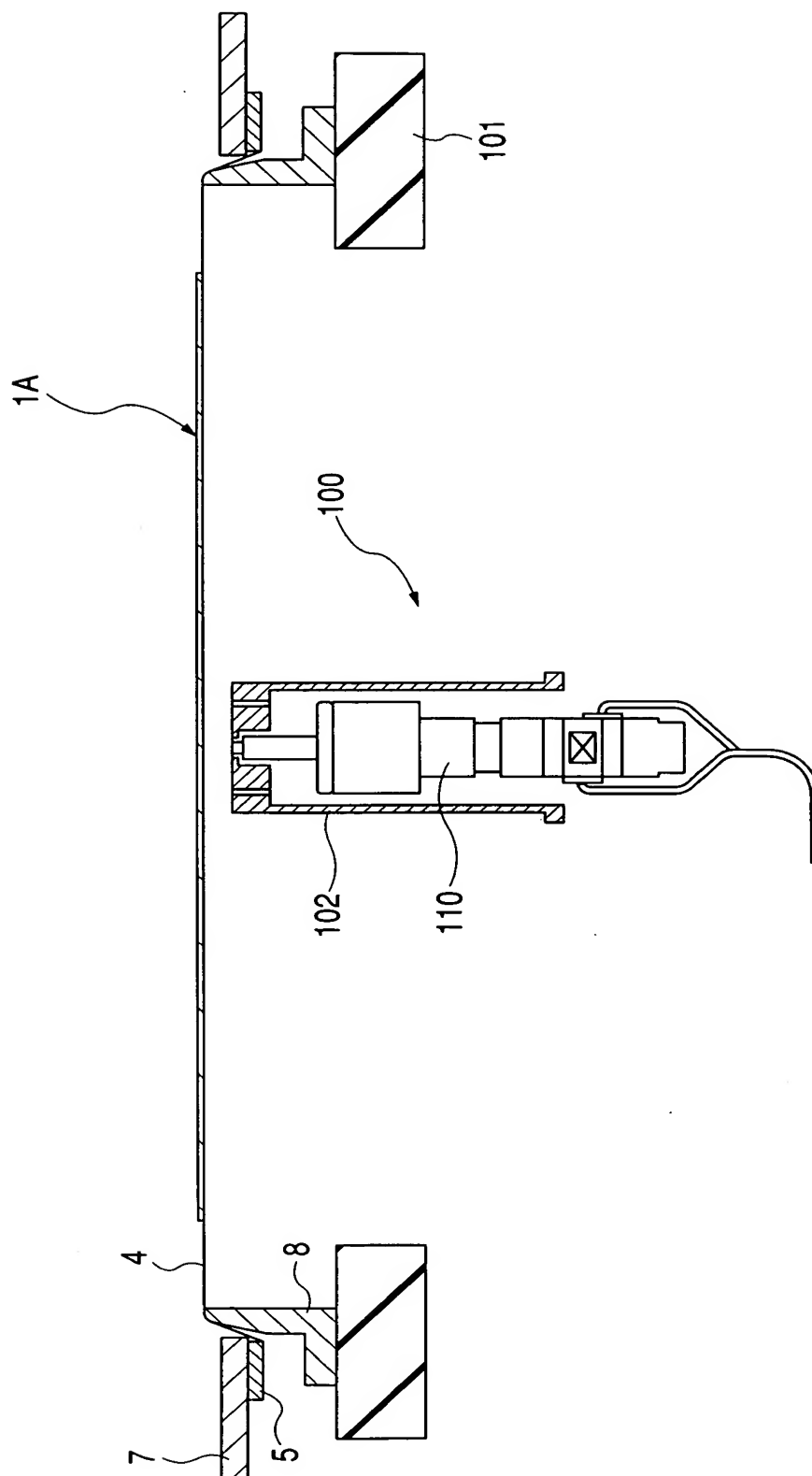


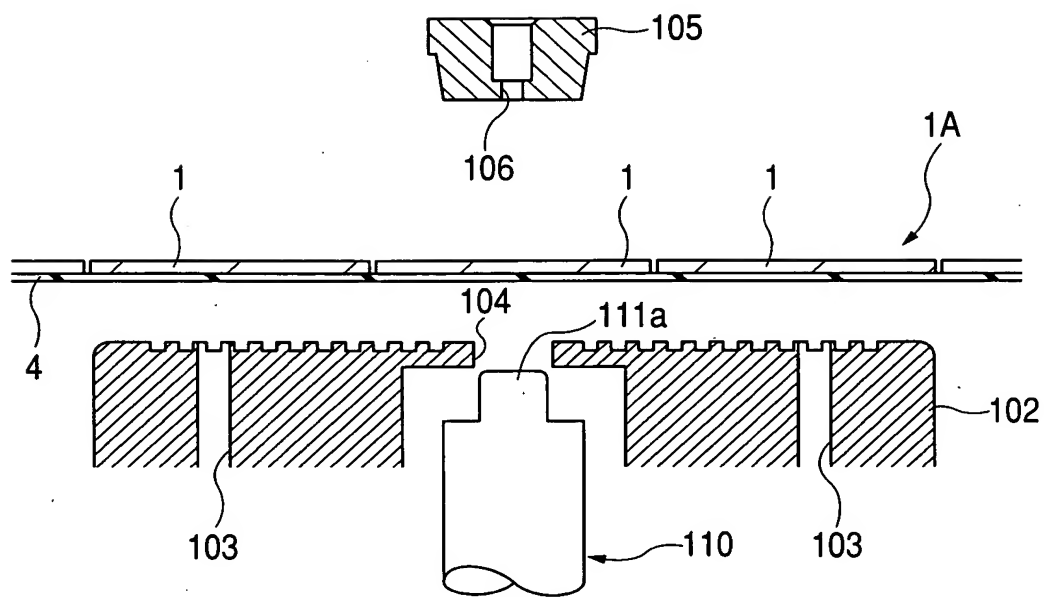
FIG. 9

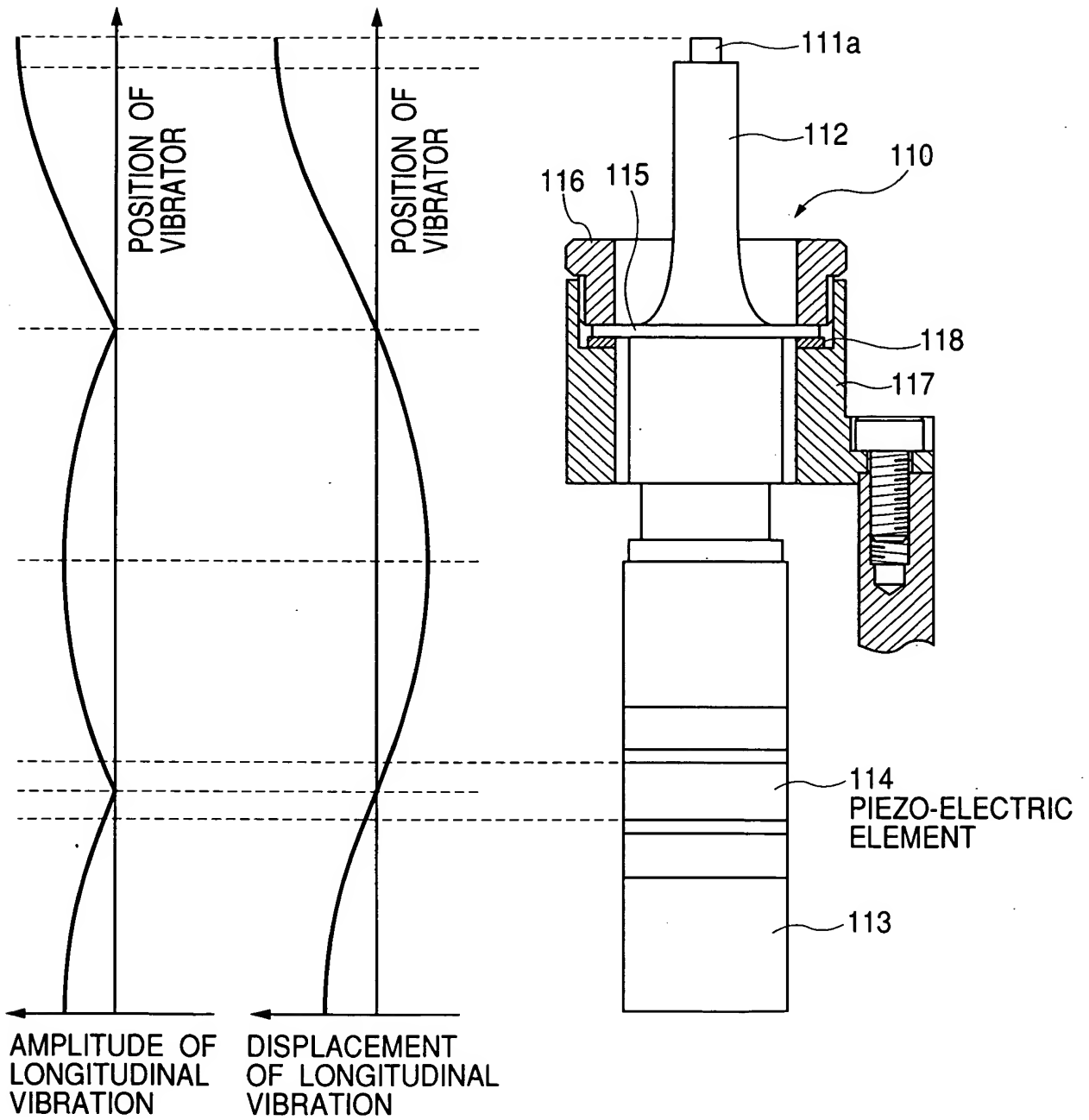
FIG. 10

FIG. 11

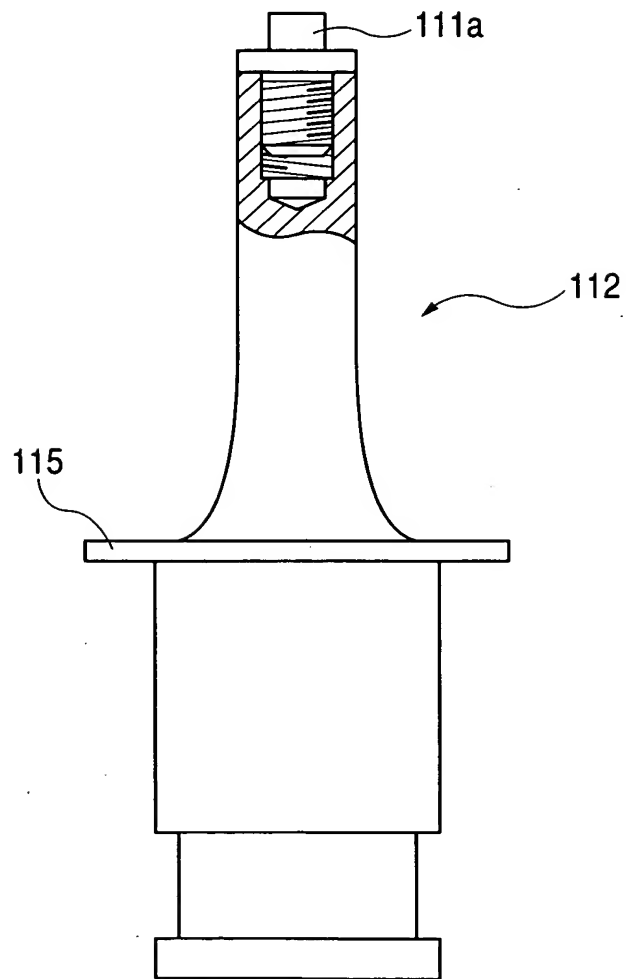
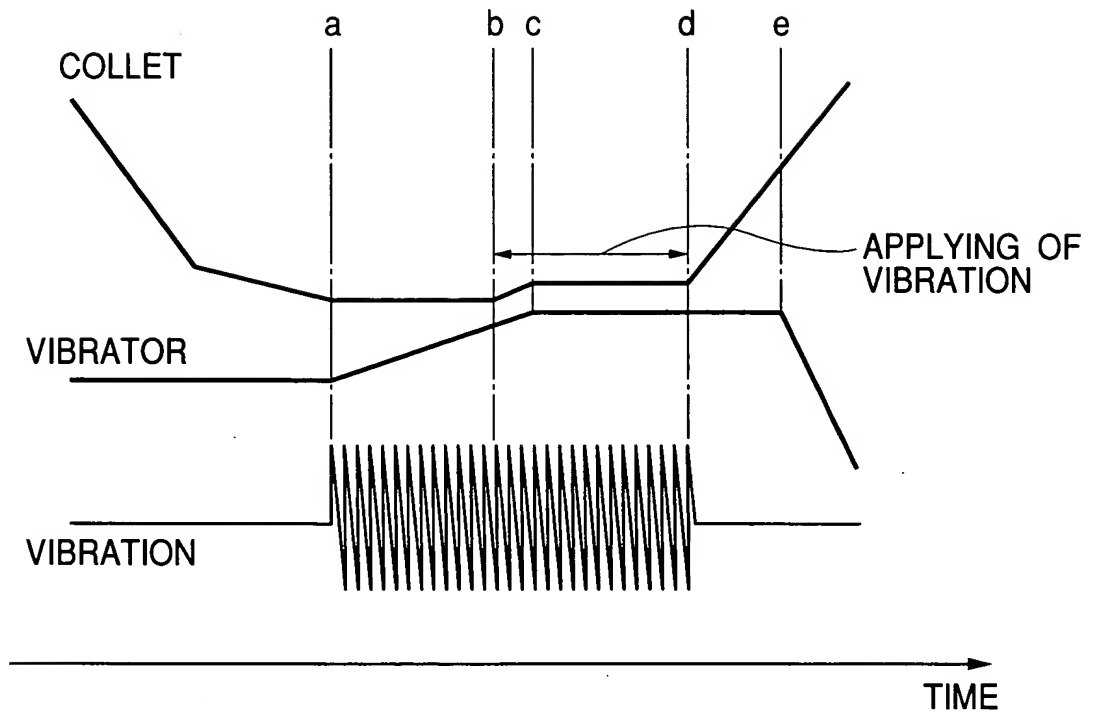


FIG. 12

- a: COLLET BROUGHT INTO CONTACT AND LOWERING OF COLLET STOPPED
- b: VIBRATOR BROUGHT INTO CONTACT AND APPLYING OF VIBRATION STARTED
- c: ELEVATION OF VIBRATOR STOPPED
- d: ELEVATION OF COLLET STARTED AND APPLYING OF VIBRATION STOPPED

FIG. 13

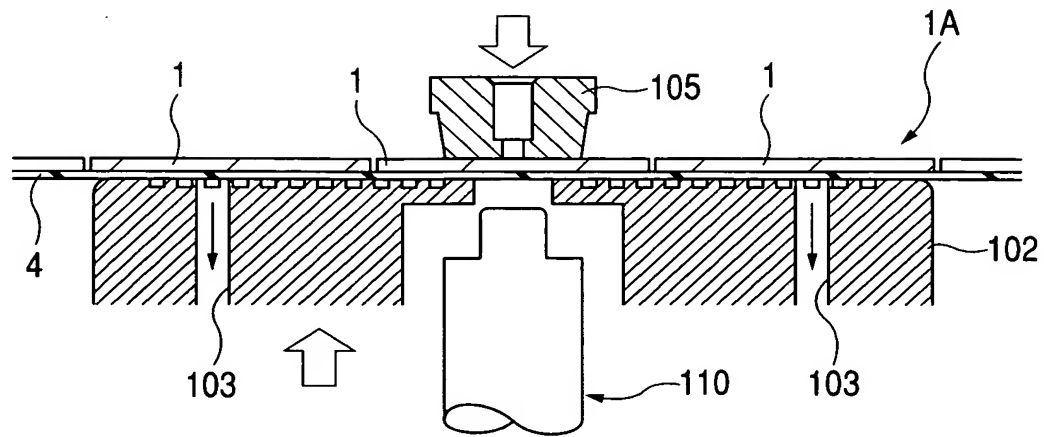
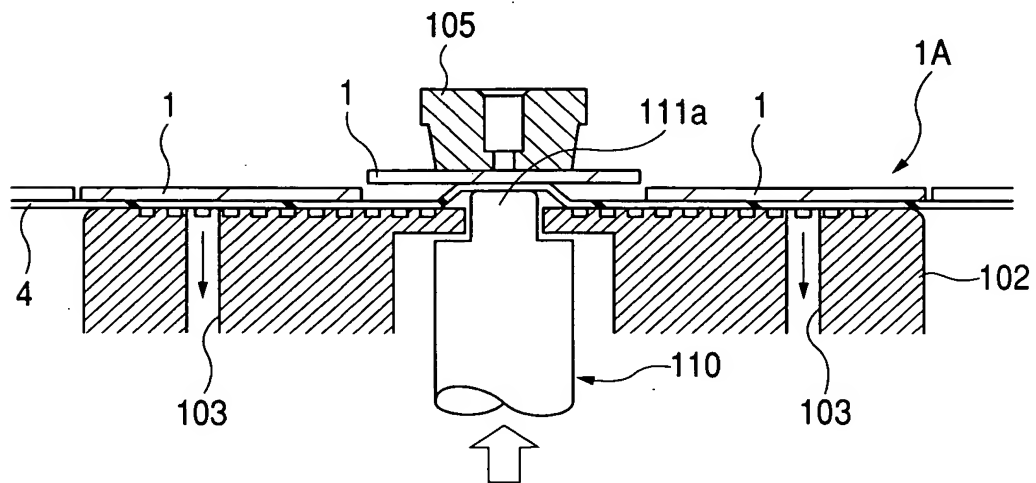


FIG. 14



1 : SEMICONDUCTOR CHIP
 4 : ADHESIVE TAPE
 110 : VIBRATOR

FIG. 15

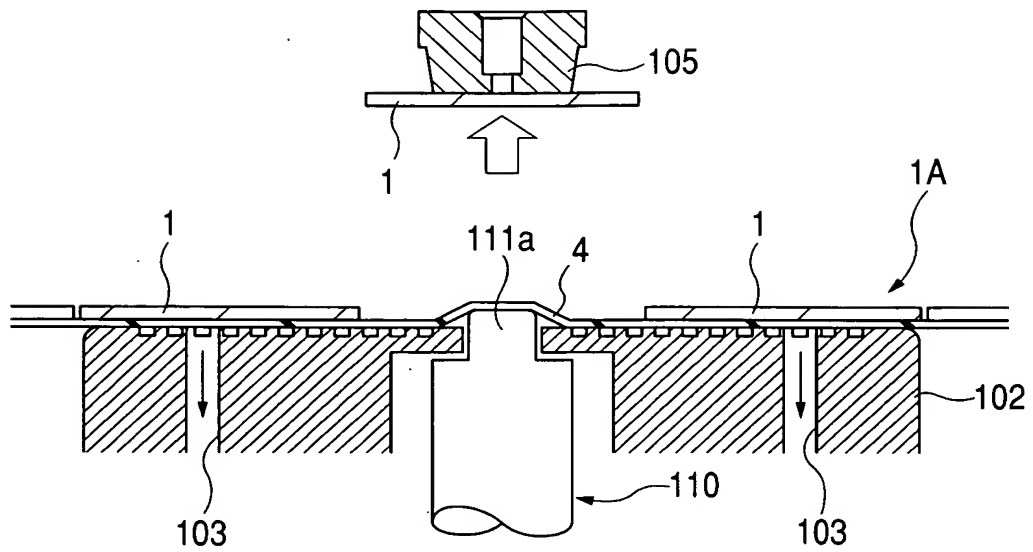


FIG. 16

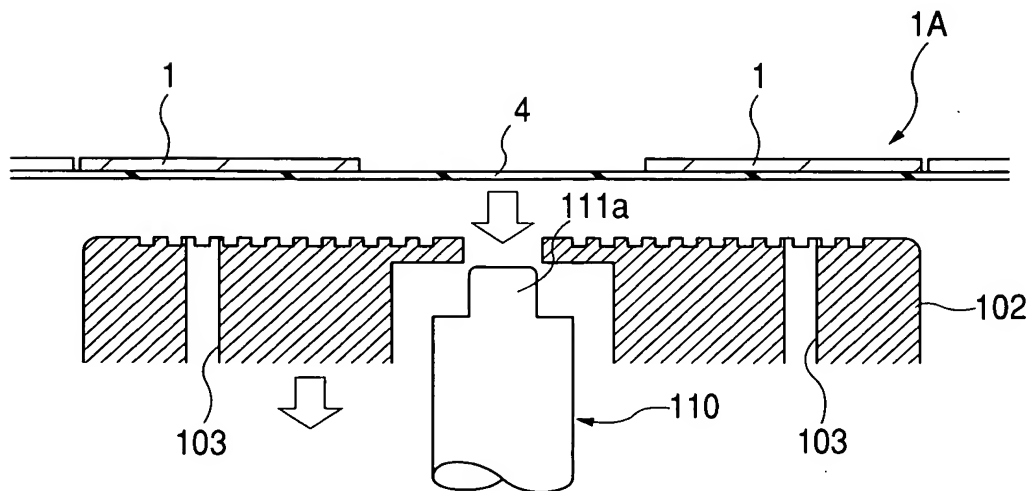


FIG. 17

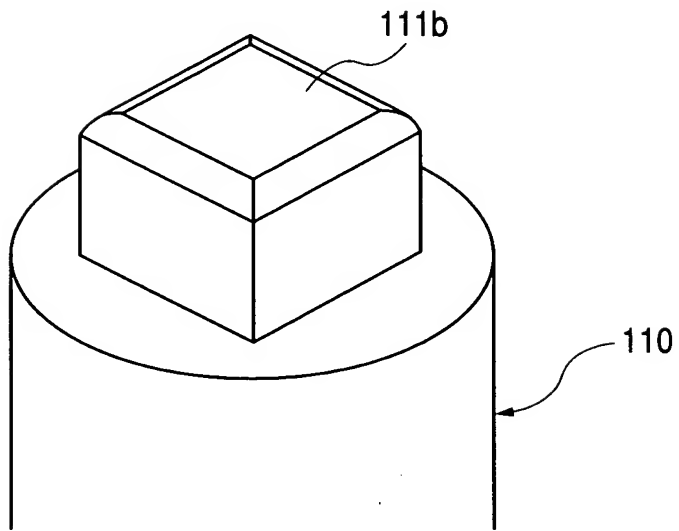


FIG. 18

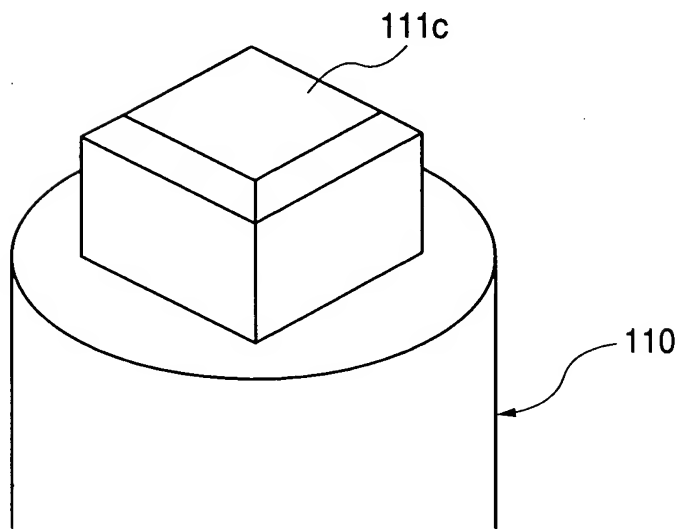


FIG. 19

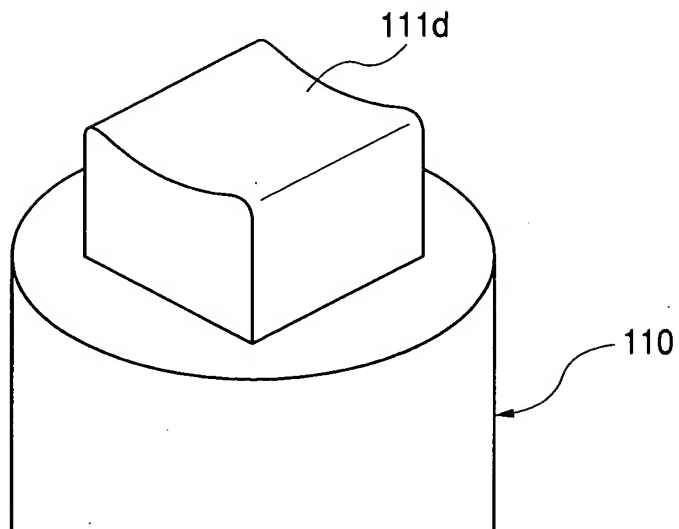


FIG. 20

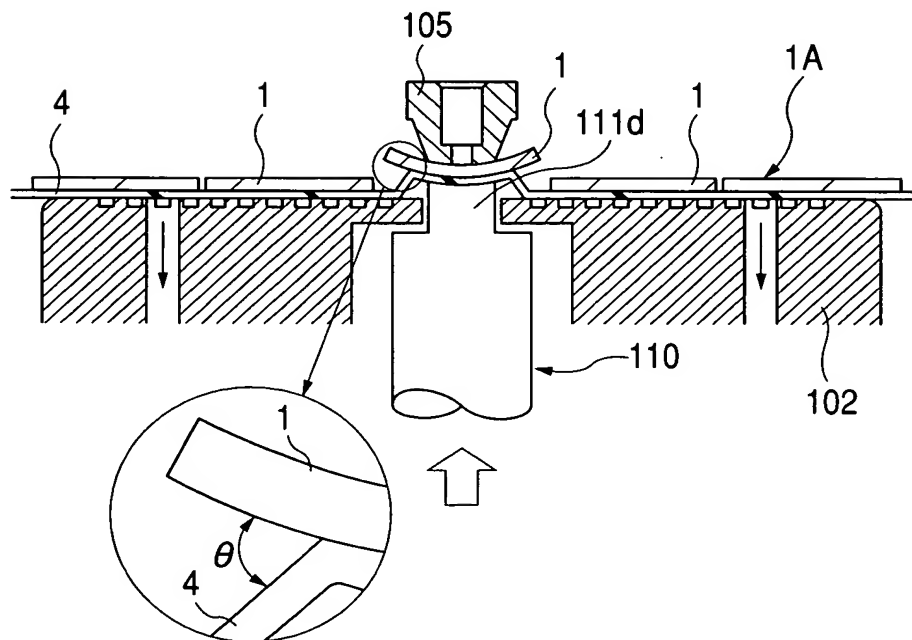


FIG. 21

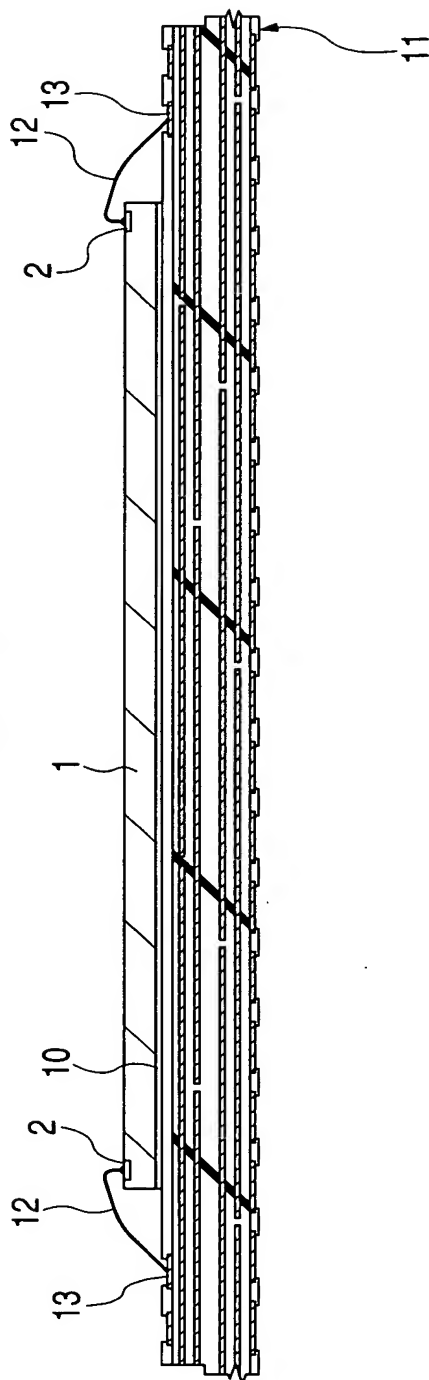


FIG. 22

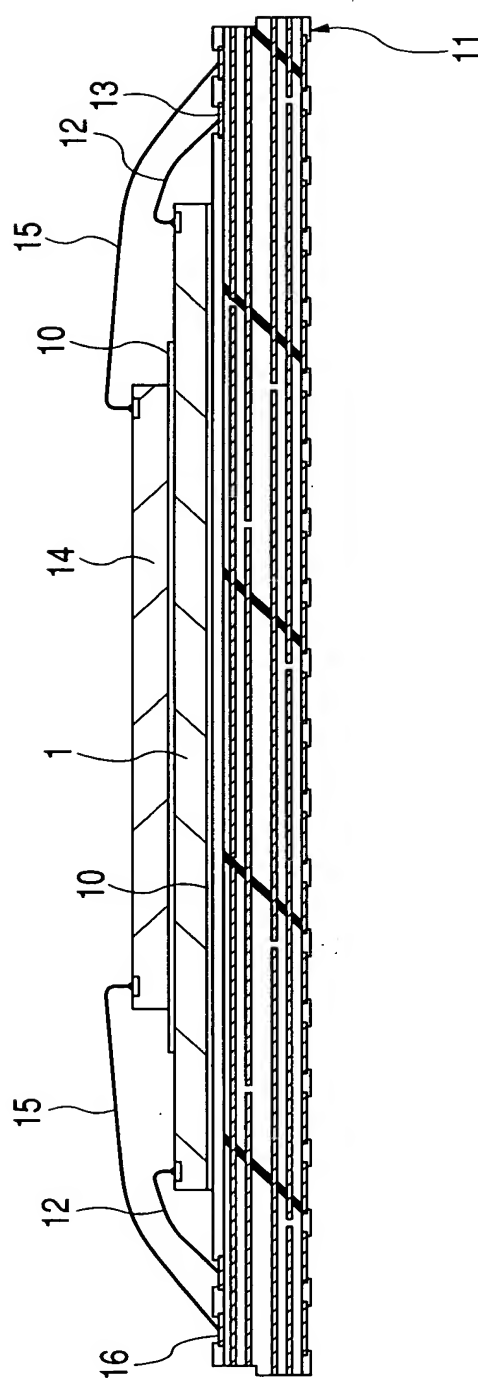


FIG. 23

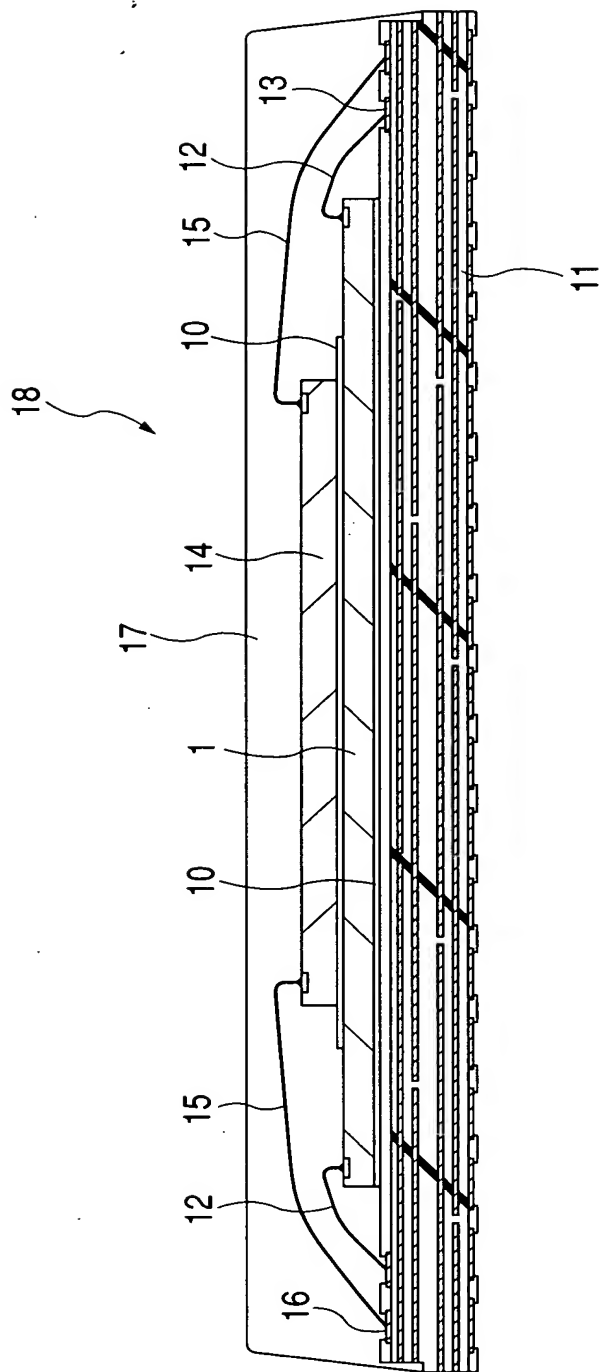
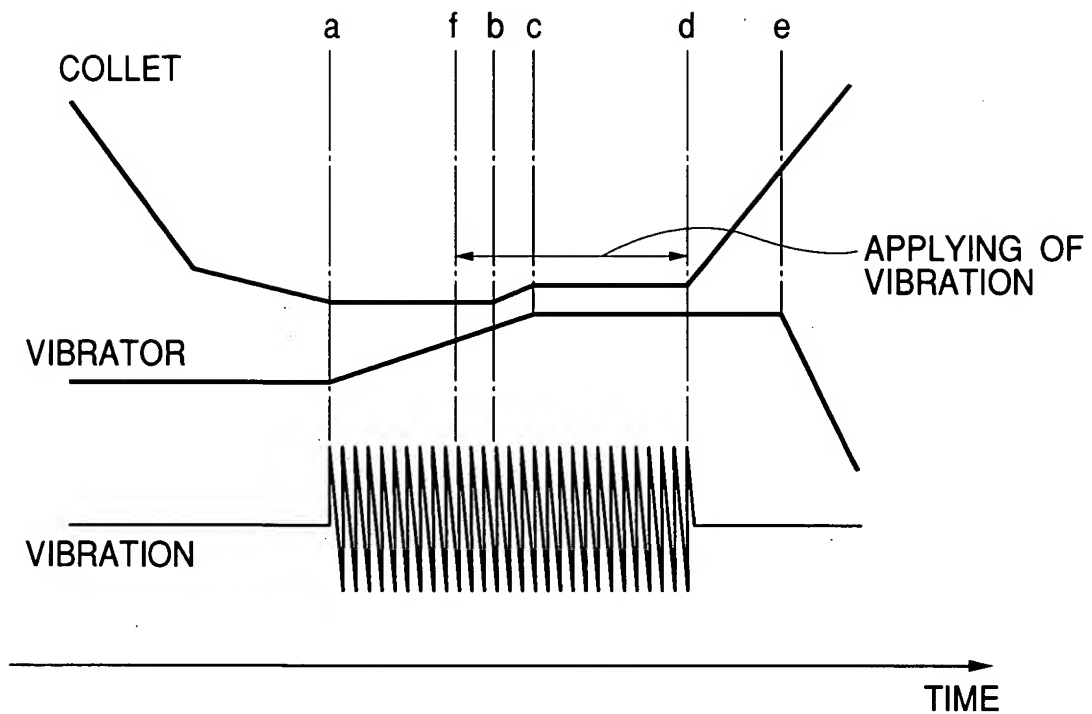


FIG. 24

- a: COLLET LOWERED AND STOPPED BEFORE BEING BROUGHT INTO CONTACT WITH CHIP
- f: VIBRATOR BROUGHT INTO CONTACT AND APPLYING OF VIBRATION STARTED
- b: COLLET AND CHIP BROUGHT INTO CONTACT WITH EACH OTHER AND CHIP BEING HELD
- c: ELEVATION OF VIBRATOR STOPPED
- d: ELEVATION OF COLLET STARTED AND APPLYING OF VIBRATION STOPPED

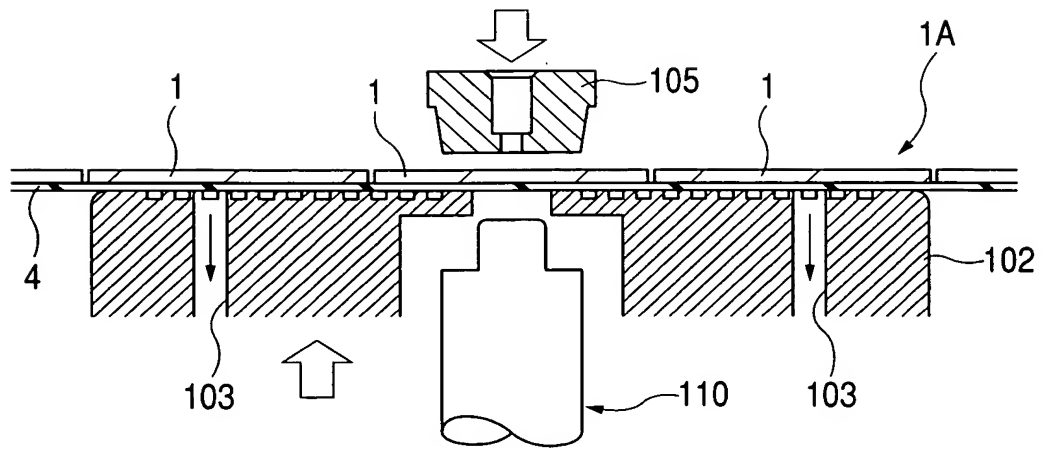
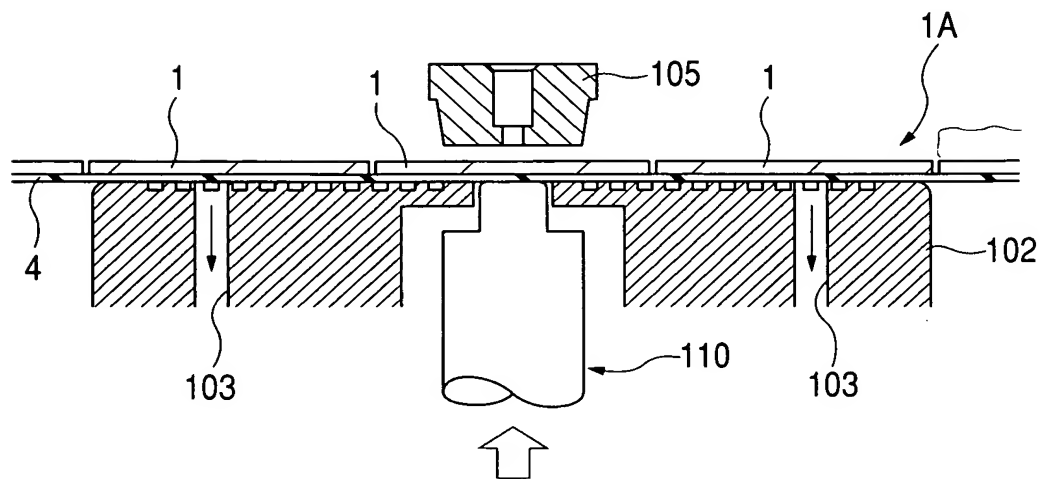
FIG. 25**FIG. 26**

FIG. 27

